

ABSTRACT OF THE DISCLOSURE

1 A telecommunications gateway allows packets to be sent over a TDM system and
2 allows TDM traffic to be sent over a packet switched network. The gateway is a universal
3 port that includes a plurality of Digital Signal Processors (DSPs) that are controlled by
4 software. The controlling software determines what single function the DSP will perform
5 over multiple channels. Each DSP handles multiple channels, however, each DSP is
6 restricted such that all of its multiple channels are permitted to handle the
7 telecommunications traffic according to one signaling protocol.